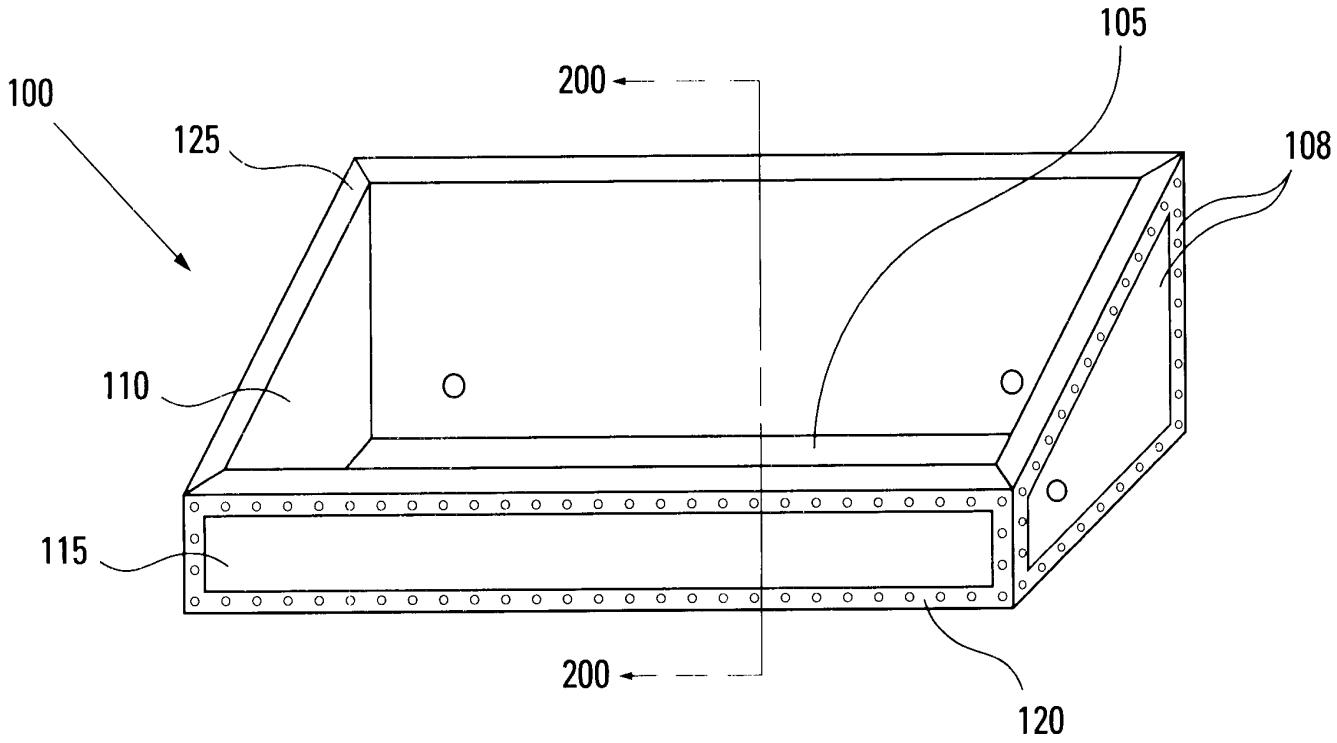

FIGURE 1

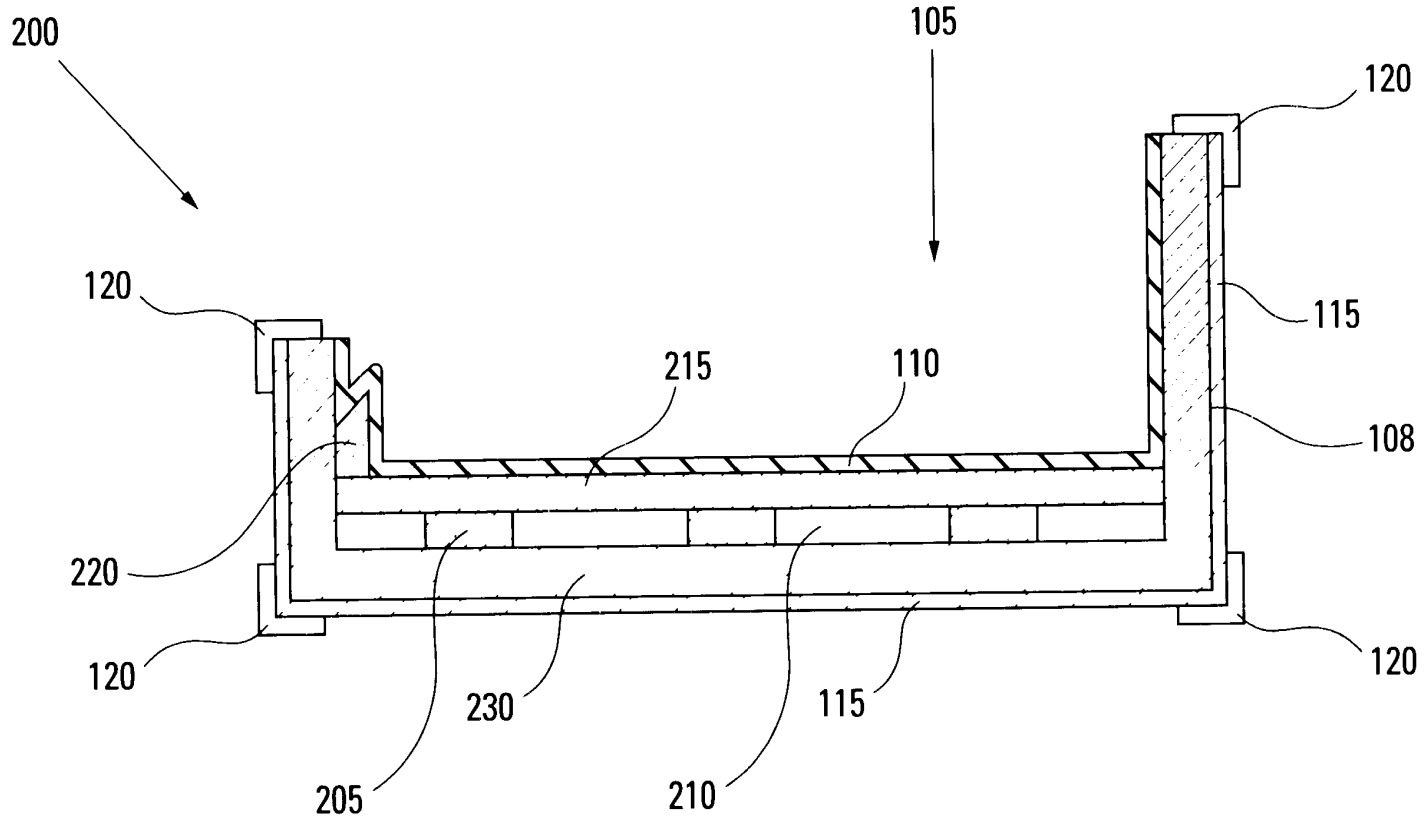

FIGURE 2

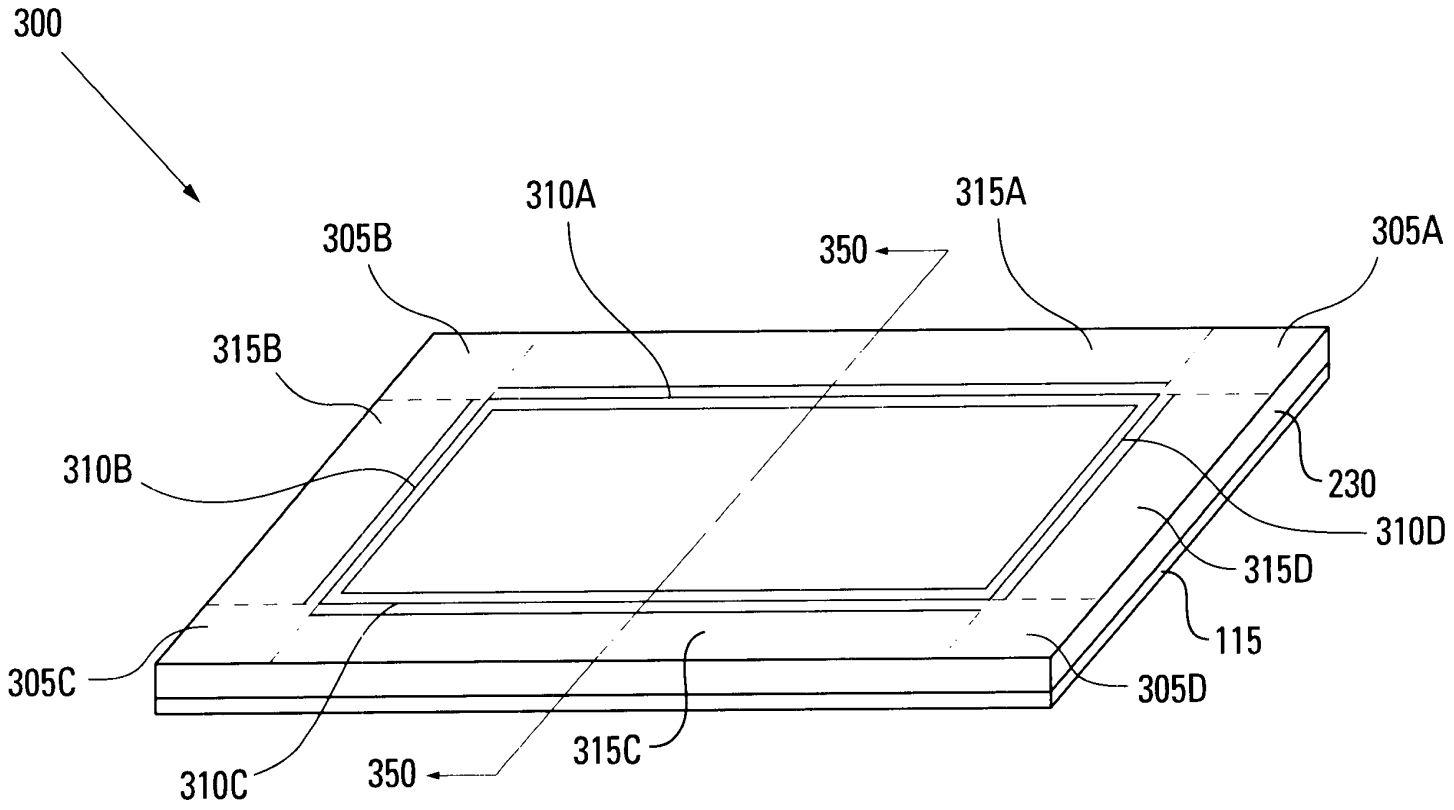
300
310A
315A
305B
350
305A
315B
310B
230
310D
315D
115
305C
305D
315C
310C
350

FIGURE 3A

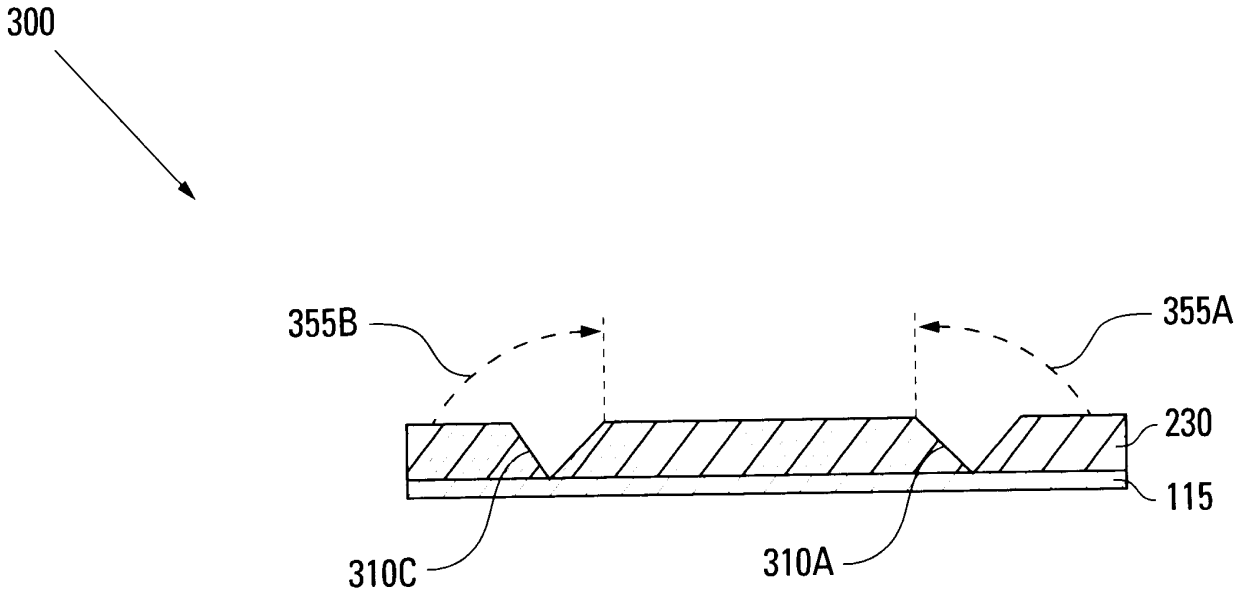

FIGURE 3B

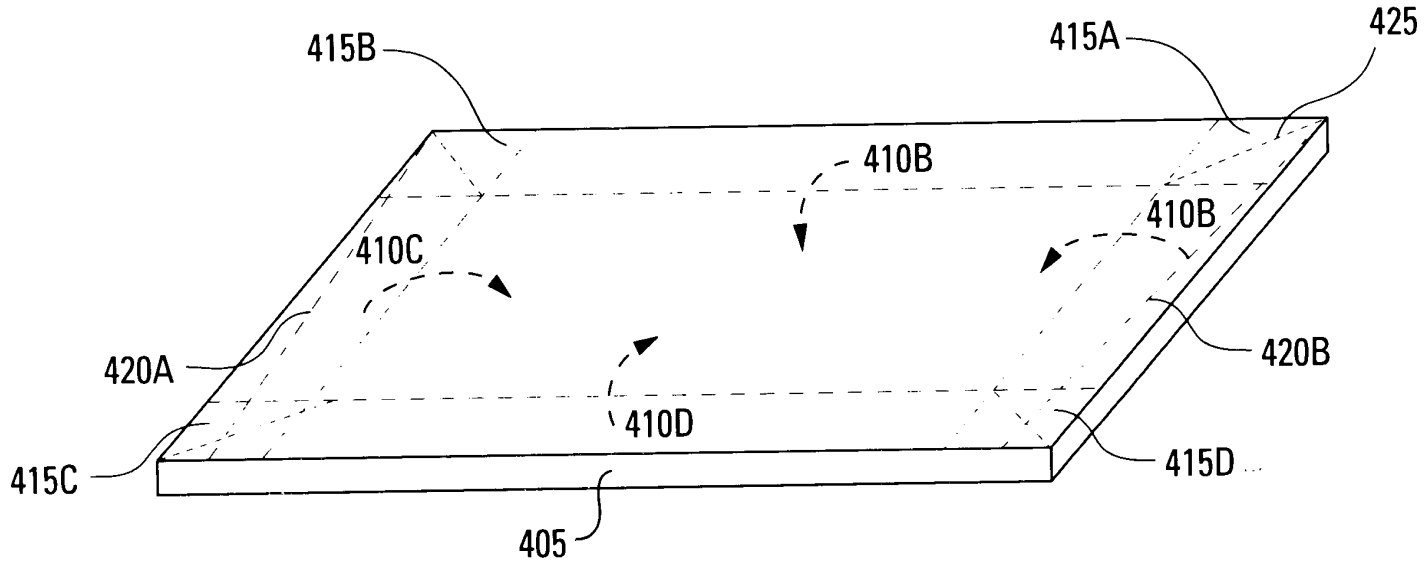

FIGURE 4A

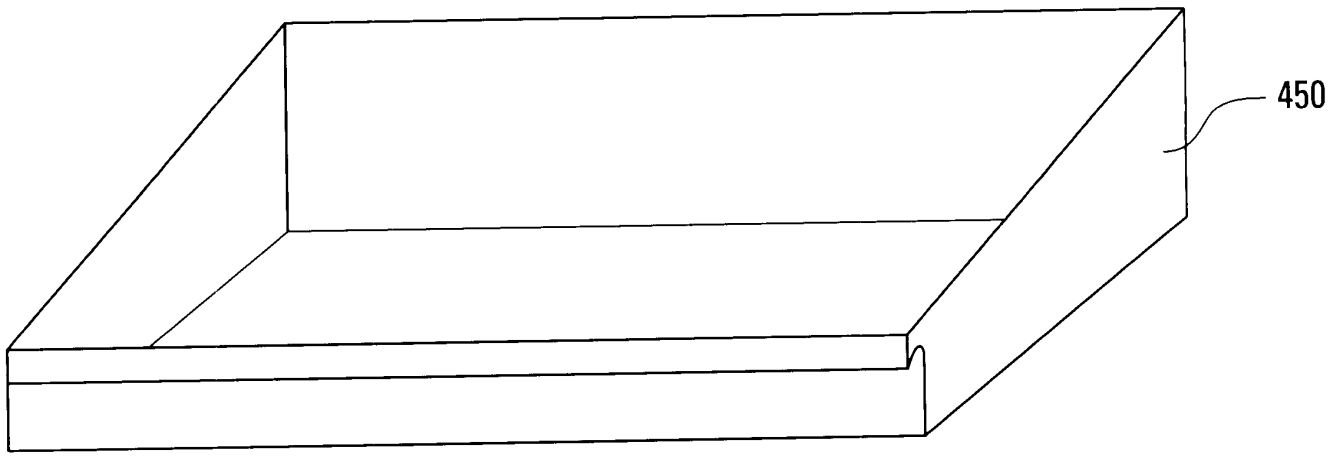

FIGURE 4B

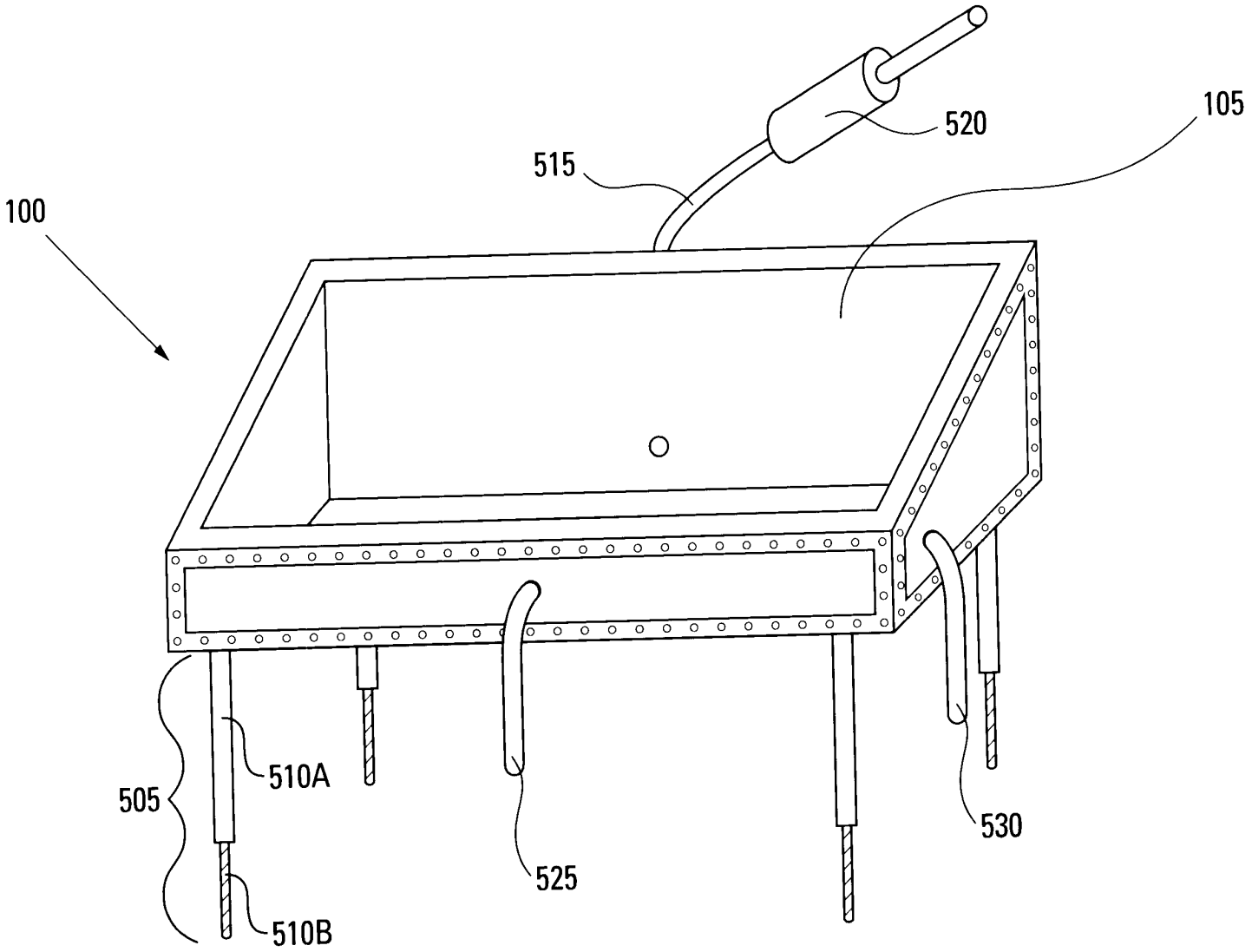

FIGURE 5

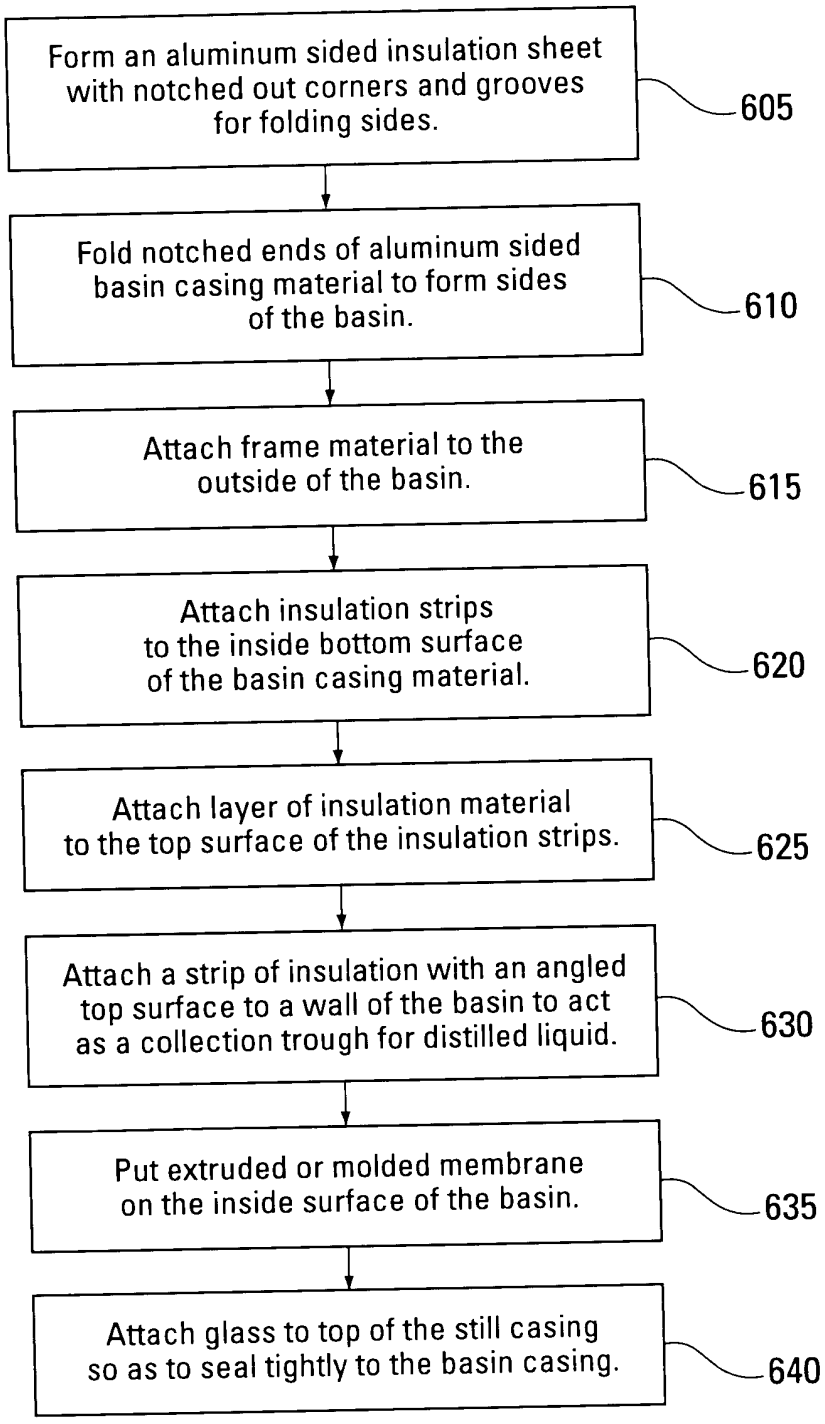
Form an aluminum sided insulation sheet with notched out corners and grooves for folding sides.
605
Fold notched ends of aluminum sided basin casing material to form sides of the basin.
610
Attach frame material to the outside of the basin.
615
Attach insulation strips to the inside bottom surface of the basin casing material.
620
Attach layer of insulation material to the top surface of the insulation strips.
625
Attach a strip of insulation with an angled top surface to a wall of the basin to act as a collection trough for distilled liquid.
630
Put extruded or molded membrane on the inside surface of the basin.
635
Attach glass to top of the still casing so as to seal tightly to the basin casing.
640

FIGURE 6

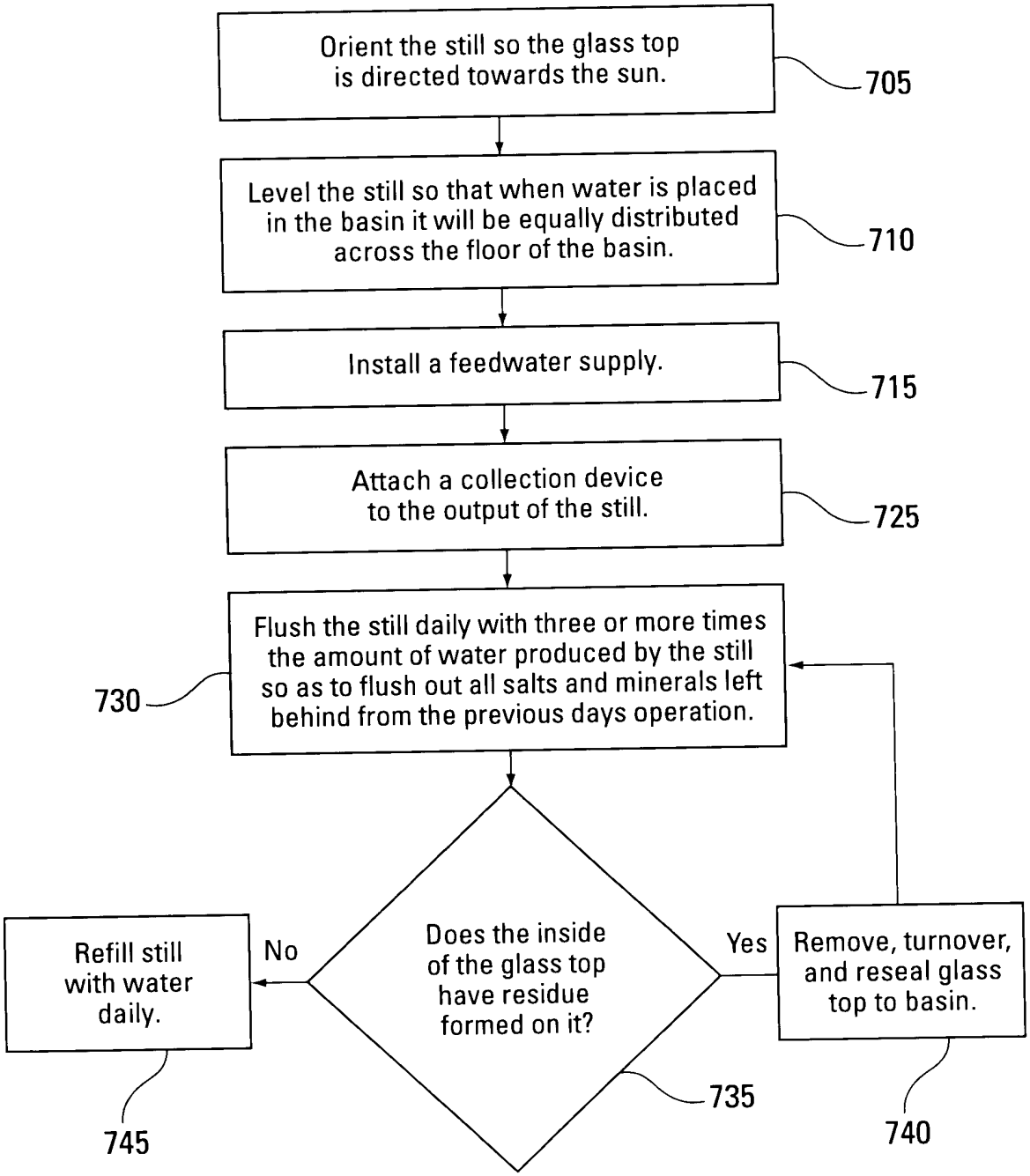
Orient the still so the glass top is directed towards the sun.
705
Level the still so that when water is placed in the basin it will be equally distributed across the floor of the basin.
710
Install a feedwater supply.
715
Attach a collection device to the output of the still.
725
Flush the still daily with three or more times the amount of water produced by the still so as to flush out all salts and minerals left behind from the previous days operation.
730
Does the inside of the glass top have residue formed on it?
735
No
Refill still with water daily.
745
Yes
Remove, turnover, and reseal glass top to basin.
740

FIGURE 7